STAIRWAI

Stairway to AI: Ease the Engagement of Low-Tech users to the AI-on-Demand platform through AI

D8.4 International Networking Strategy Report and Outlook Beyond the Project - 1st version

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Document Control Sheet

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1.1	03/05/2022	Introducing the target audience and mapping the stakeholders for the international Network Strategy in section 2.1 and 2.2	**UCC**
1.2	16/05/2022	Modifying the structure of the document	**UCC/UNIBO**
1.3	23/05/2022	Completing Introduction and drafting first version of strategy in section 3	**UCC**
1.4	30/05/2022	First version of section on International Networking Activities in section 4	**UCC**
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1.7	08/06/2022	Completing Objectives and Strategy section (section 3)	**UCC**
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Table 1. Document Revision History

Executive Summary

This is the first of two deliverables where the StairwAI project delivers a strategy report for international networking and an outlook beyond the project.

This deliverable D8.4 is part of the Work Package 8 "Outreach activities and long-term sustainability" and is led by UNIBO. UCC is the leader and main responsible of WP8 and has supported UNIBO in carrying out the national and regional networking strategy. While UNIBO is responsible for task 8.4 *Coordination with national and regional initiatives,* the communication and dissemination activities completed by UCC until now, i.e. mapping key initiatives and initiating engagement with these initiatives, have been fundamental for this task as well as for this deliverable. Moreover, FundingBox members (Leaders of WP7 "Open Call Management") will and have supported these actions through their activities in task 8.2 *DIH Connections, Regional Interactions, and Industry Clustering*.

In this document an ecosystem analysis was carried out to identify the key national and regional organisations to reach AI experts, low-tech SMEs, resource providers and other organisations, such as public institutions and bodies, and NGOs. Additionally, competitors were mapped and analysed to identify opportunities as well as challenges for collaboration. A strategy for how to engage with the national and regional initiatives and organisations that were identified was then developed.

Table of contents

List of Tables

List of figures

List of Terms and Abbreviations

Table 2 List of Terms and Abbreviations

Abbreviation	Definition
AI	Artificial Intelligence
AIoD	AI on Demand
DIH	Digital Innovation Hubs
HPC	High Performance Computing
SME	Small-Medium Enterprises

1. Introduction

This deliverable sets out the *International Networking Strategy Report and Outlook Beyond the Project* (D8.4) of the project, Stairway to AI: Ease the Engagement of Low-Tech users to the AI-on-Demand platform through AI (StairwAI). StairwAI aims to enrich the AI-on-demand (AIoD) platform by developing and integrating a new service layer consisting of a multilingual matchmaking service that enables users, especially Low-Tech SMEs to easily find both AI assets and hardware resources. The service that StairwAI has been developing has a very clear focus on the end-users, specifically, low-tech SMEs, meaning small and medium-scale companies whose business is not mainly focused on AI. While one of the main goals is to facilitate and increase the engagement of SMEs with the AIoD platform, StairwAI also targets AI experts and distributed edge, HPC and cloud providers with the aim of engaging these target audiences with the AIoD. To attract these target audiences to the AIoD platform, StairwAI will fund 60 low-tech SMEs through open calls to facilitate their access to resources and expertise to identify and adopt innovative AI solutions that can have a transformational impact on their organisations. Similarly, to attract AI experts, and distributed edge, cloud and HPC providers to the platform, StairwAI will provide them with an opportunity to apply for Expressions of Interest where they may receive funding to support the SMEs with the adoption of AI solutions.

The primary focus of this deliverable is to identify national, regional and international initiatives and organisations that facilitate access to StairwAI's main target audience groups, namely Low-Tech SMEs, AI Experts, and Distributed Edge, Cloud, and HPC Resource Providers. On the other hand, the deliverable also identifies other key organisations and initiatives that are crucial for international networking and ensuring that StairwAI's services and tools are successfully adopted. These other actors include public institutions and bodies, NGOs and competitors. The identification of those entities is key to developing StairwAI's networking strategy which will ensure that a bidirectional channel of communication and understanding is established with these organisations and initiatives. Building this international network will ensure enlarging the involvement of national, regional and international initiatives and organisations with StairwAI and increasing cross-regional and international dissemination of StairwAI's outputs. Additionally, it will help StairwAI reach a larger number of users that will be attracted to StairwAI's Open Calls, as well as the AI-on-demand platform and StairwAI's multilingual information retrieval and matchmaking services.

2. Target Audience and Mapping of Initiatives and Organisations

This section provides an overview of StairwAI's target audience for its international strategy as well as the organisations and initiatives that were mapped to help reach these target audience groups. Section 2.2 provides an overview of European, national, regional and international SME- and public institution-related initiatives and organisations. Most of these organisations were contacted in StairwAI's first networking communications campaign which was lead by UCC and is briefly described in Section 3. Section 2.3 maps initiatives and organisations related to AI experts, and Section 2.4 to resource providers. These organisations were contacted within task 8.4 *Coordination with national and regional initiatives*. Then, competitors were mapped in Section 2.4 and opportunities for collaboration as well as challenges were defined.

2.1. Target Audience

As illustrated in the table below, StairwAI has three main target audiences. These target audiences have been reached through national and regional contact points which are summarized in the stakeholder tables below. This overview of stakeholders is detailed in Section 2.2. and was developed by UCC.

Table 3 Target Audience

Main Target Audience	Objective
AI experts	To be matched with Low Tech SMEs to provide guidance and support for the implementation of AI solutions
Low Tech SMEs	End-users for the StairwAI services of the AIoD platform
Resource Providers (Distributed edge/cloud, and HPC actors)	To be matched with Low Tech SMEs to provide hardware to support implementation of AI solutions
Other Target Audience	Objective
Public institutions and bodies	To encourage the adoption of AI solutions and help reach SMEs
NGOs	
Competitors	To monitor and learn from competitive matchmaking tools, and to identify opportunities for collaboration

The table below provides an overview of the general value proposition StairwAI offers to the different target audiences.

8

Table 4 Value proposition for target audiences

Target Audience	Value Proposition
AI experts	• Access to AI resources • Increased visibility in the European AI ecosystem • Funding to provide services and support to SMEs • Connections with StairwAI's stakeholders
Low Tech SMEs	• Access to AI resources, such as use-cases and funding • Support opportunities through Open Calls, increased visibility
Resource Providers (Distributed edge/cloud, and HPC actors)	• Access to AI resources • Increased visibility in the European AI ecosystem • Funding to provide services and support to SMEs • Connections with StairwAI's stakeholders
Public institutions and bodies	• Access to AI resources, such as use-cases, connections with StairwAI's stakeholders
NGOs	• Access to AI resources, such as use-cases, connections with StairwAI's stakeholders
Competitors	• Potential Collaboration

2.2. European, national, regional and international SME- and public institution-related initiatives and organisations

UCC developed the overview of the national, regional and international SME- and public institution-related initiatives and organisations below. The organisations highlighted in blue in the tables have received special attention from StairwAI as they represent countries which speak the languages that StairwAI will offer its matchmaking services in.

The regional and national organisations and Initiatives are reported in Annex 1.

Table 5 European Organisations and Initiatives – SMEs and public institutions

European Organisation/Initiative
SME Connect https://www.smeconnect.eu/
Digital SME Alliance https://www.digitalsme.eu/
Enterprise Europe Network https://een.ec.europa.eu/
Network of SME Envoys https://ec.europa.eu/growth/smes/sme-strategy/sme-envoys-network
SME United https://www.smeunited.eu/

9

Confédération Européenne des Organisations Nationales de la Boulangerie et de la Pâtisserie - CEBP(Belgium)
http://www.cebp.eu/

European Confederation of Professional Beauticians and Cosmeticians - CEPEC(Belgium)
https://www.cepec-eu.org/

European Federation of Accountants and Auditors for SMEs - EFAA(Belgium)
http://www.efaa.com

European Federation of Insurance Intermediairies - BIPAR(Belgium)
http://www.bipar.eu

European association of employers' organisations in hairdressing - Coiffure EU(Belgium)
http://www.coiffure.eu

Federation of European Professional Photographers - FEP(Italy)
http://www.europeanphotographers.eu

European Builders Confederation - EBC(Belgium)
http://www.ebc-construction.eu

European Federation for Elevators Small and Medium Sized Enterprises - EFESME(Belgium)
http://www.efesme.org

European Federation of Timber Construction (Germany)
http://www.timber-construction.eu

European Metal Union - EMU(Belgium)
http://www.emu-sme.eu

International Federation of Automotive Aftermarket Distributors - FIGIEFA(Belgium)
http://www.figiefa.eu

International Federation for the Roofing Trade - IFD(Germany)
http://www.ifd-roof.eu

International Cosmetic And Detergents Association e.V. - ICADA(Germany)
http://icada.eu/

Female Europeans of Medium and Small Enterprises - FEM(Belgium)
https://www.fem-europe.eu/en/

European Federation of Associations of Health Product Manufacturers - EHPM(Belgium)
http://www.ehpm.org

Union Internationale des Entrepreneurs de Peinture - UNIEP(Belgium)
http://www.uniep.org

Union Européenne des Transporteurs Routiers - UETR(Belgium)
http://www.uetr.eu

Union Europäischer Gerüstbaubetriebe - UEG(Germany)
http://www.ueg-eu.org

Comité Européen des Traitements de Surface - CETS(Belgium)
v.fincken@vom.be http://www.cets-eu.be

2.3.   AI Experts

Unibo developed the overview of the national and international AI experts group. Most countries have at least one national AI non-profit organisation, with exception of Cyprus, Estonia, Latvia, and Malta. Many of these organisation are associated to the European association EurAI. Additionally, various governments (e.g., Italy, Hungary, Austria) have written their national AI strategy relying on groups of experts nominated for the objective or relying on existing organisation.

According to the S3Platform (https://s3platform.jrc.ec.europa.eu/), there are 320 fully operational DIHs that deal with artificial intelligence, plus 116 in preparation. Of the operational ones, 210 declare a focus on advanced TRLs (8-9), 294 on intermediate TRLs (4-7), 209 on early TRLs (1-3). There are 209 fully operation DIHs that deal with cloud computing, plus other 80 in preparation. Of the fully operational ones, 140 declare a focus on advanced TRL, 196 on intermediate, 138 on early. Italy and Spain are the countries with more DIH, with more than 40 DIH each. In almost all countries there are slightly more AI DIH than cloud DIH. Malta is the only country without DIH.

The following figures shows the nation-wise distribution of active DIH. The map with blue circles reports the AI-related DIHs, while the one with yellow circles show the cloud-related DIHs.
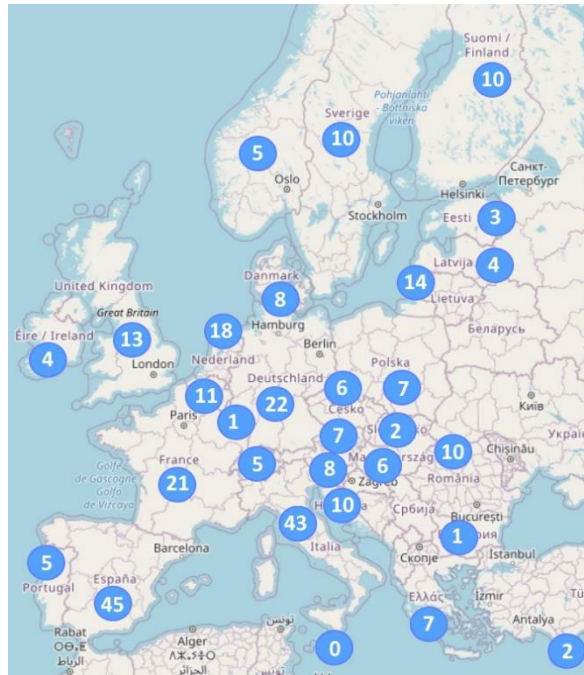
Figure 1 Nation-wise distribution of AI-related DIHs. The underlying map was provided by OpenStreetMap

Figure 2 Nation-wise distribution of cloud-related DIHs. The underlying map was provided by OpenStreetMap.

The detailed list of AI Expert groups and DIHs can be found in Annex 1.

12

2.4.   Resource Providers - Distributed edge/cloud, and HPC actors

Unibo has mapped the distribution of main HPC centres in Europe. Most of the main HPC centres are associated to the European project EuroHPC JU or in the pan-European project PRACE.

The distribution of the main HPC centres can be seen in the following map:

Figure 3 Nation-wise distribution of HPC centres. The underlying map was provided by OpenStreetMap.

The detailed list of HPC centres can be found in Annex 1.

Regarding Cloud centres, EGI Foundation is coordinating the Federation of cloud computing services in Europe among 21 different countries. EGI council participants represent the member states with regards the distributed infrastructure to support national research communities.
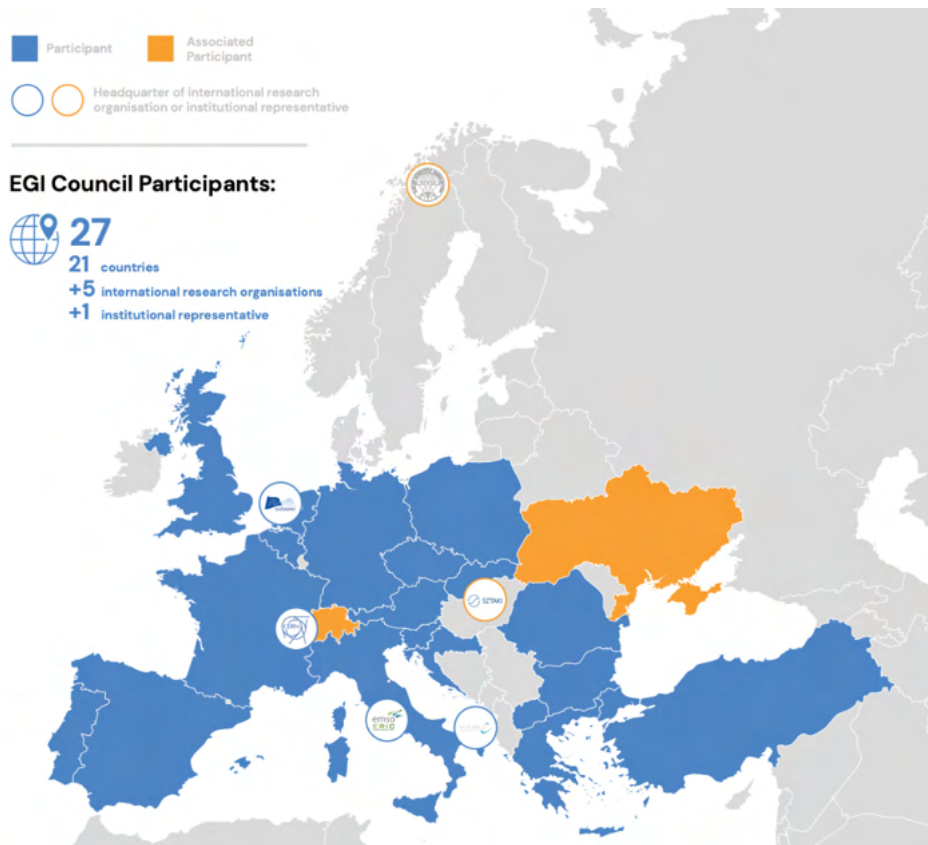
Figure 4 European countries members of the EGI Federation. The underlying map was provided by EGI Foundation

The detailed list of EGI Cloud centres can be found in Annex 1.

2.5.   Overview of Tools & Matchmaking - Competitors

Currently, there are very few operative tools that can be considered competitors. The closest to StairwAI's objectives is probably "What can AI do for me". It is a web-based tool developed that automatically matches use cases in textual form with a list of AI application and the relative AI solution companies. The matchmaking is performed through "Semantha" a private tool for text comparison. The project received funding by the Ministry of Economic Affairs, Labour and Housing Baden-Württemberg.

Another relevant project is platform Smart4All, a network of DIH that aims to boost technology and business development in South, Eastern, and Central Europe. It allows to search for personalized solutions and events, with a matchmaking algorithm based on machine learning. Smart4All is a four-year Innovation Action project funded under the Horizon 2020 framework.

The Bonseyes Marketplace is a platform for organisations wanting to adopt Artificial Intelligence in low power IoT devices, embedded computing systems, or data centre servers. Its objective is to create a platform for open development of systems of artificial intelligence and has received funding by the Horizon 2020 research and innovation programme.

14

With respect to these tools, StairwAI's objectives are to be more general, more user-friendly, and preserve the autonomy of the user. StairwAI will allow both solution providers and SMEs to register through an easy procedure and describe their needs and offers in detail, without the need of intermediary associations. Users will autonomously search for desired solution in an automatic way. Moreover, the development of a dialogue interface will greatly help users guiding them in all the processes.

3. Objectives and Strategy

A key factor for a successful networking strategy is defining the value proposition and clearly communicating what StairwAI can offer their target audiences. This proposed value must then be clearly communicated to the target audience in order to ensure engagement with StairwAI. The international networking strategy must ensure the ongoing activities and the outputs of StairwAI are both visible and accessible to the international network. A comprehensive engagement plan with national, regional and international organisations and initiatives is therefore key to ensuring a thriving international network.

The objective of the strategy is to ensure:
1. An improved user experience
2. High-quality relationships with a variety of stakeholders in an international network
3. Increased referrals through organisations and initiatives of key target audiences to StairwAI and the AIoD platform
4. Ensure a user-centric mind
5. Foster sustainable growth
6. Improve StairwAI's brand value

As described in Section 2, national and regional initiatives were first mapped to identify how to best reach StairwAI's target audiences. and provided contact details and a contact template to partners to reach out to these organisations. As a part of the strategy, it was decided that the organisations in some countries would be prioritized as they represent countries which speak the languages that StairwAI will offer its matchmaking services in.

The engagement strategy used for engagement with national, regional and international SME- and public institution-related initiatives and organisations began with an email campaign led by UCC. For this campaign UCC provided a list of contact details for national and regional initiatives, as well as an email template, visual materials and links to be sent out to these contacts. UCC then assigned partners to different countries and regions and StairwAI partners contacted the organisations and initiatives clearly stating StairwAI's value proposition by highlighting the opportunity to apply for Open Calls. The campaign was user-centric as it identified the organisation and initiatives' needs and then ensured that the solution StairwAI offers was communicated clearly. This value-proposition tactic increased interest in and awareness of StairwAI while the materials that were provided to the organisations and initiatives could be shared easily, thus reaching the main target audience group, namely SMEs. When possible, these organisations were contacted in their native language to personalize interactions. Based on the success of this strategy and the new connections

that were built with valuable stakeholders, this strategy also provides a base for the strategy for future international networking.

Overall, the national network strategy consists of eleven main focus areas:
1. Sharing StairwAI's Story, Mission, and Vision
2. Personalize interactions with members of the identified organisations and initiatives
3. Active Listening
4. Helpful Content
5. Clearly defining collaboration goals and plans
6. Provide benefits
7. Social Media
8. Feedback collection and solution provision
9. Engagement events
10. Help and Support
11. The right tools

Sharing StairwAI's Story, Mission, and Vision
This will provide the target audience with a full picture of the StairwAI project and will facilitate memorable and relatable images of StairwAI and its services. For all engagement activities, such as email campaigns, events, presentations, etc. this means that StairwAI's story, mission and vision should always be clearly communicated.

Personalize interactions with members of the identified organisations and initiatives
People and organisations are more likely to engage if interactions are personalized. Before interacting with an organisation or a representative of an organisation StairwAI partners should therefore develope a clear overview of the organisation's or individual's objectives and needs. The interaction can then be personalized by addressing this specific needs with solutions that StairwAI can offer. Moreover, as StairwAI is also focused on multilingualism, another way project partners can ensure interactions are personalized is by carrying out the interaction in the individual's native language when possible.

Active Listening
When engaging with an organisation it is crucial to not only present what StairwAI has to offer but also to listen to what the organisation needs and suggests, e.g. through tailored meetings or through questionnaires. This will help better understand the organisation's needs, develop new opportunities for collaboration and increase the number of supportive partners that have a reciprocal relationship with StairwAI.

Helpful Content
The content that StairwAI provides to the public should always be user-centric and provide value. This means that any materials, e.g., on social media or in presentations should provide value to the target audience. For example, visual dissemination materials targeting SMEs should emphasize the support and funding that can be offered to SMEs through Open Calls or the potential impact for their business

Clearly defining collaboration goals and plans
When engaging with an organisation it is crucial to clearly define and agree upon mutual goals and a plan for how to achieve these goals. Not only will this ensure a reciprocal relationship where the organisation's needs, as well as StairwAI's needs are addressed, but also will provide a clear definition of the responsibilities and tasks necessary to achieve common goals.

Provide benefits

16

As the mapped entities have many partners and many projects, businesses and organisations which seek collaboration and engagement, StairwAI must encourage engagement with its project by ensuring it provides organisations with valuable benefits. These benefits must be tailored to the organisation's needs and can include increased visibility in the European AI ecosystem, regular updates and reminders for Open Calls, and building connections with StairwAI's stakeholders.

Dynamize Social Media
Social media is a key tool in StairwAI's engagement strategy, supporting reaching stakeholders, raising awareness and encouraging engagement. The table below provides an overview of StairwAI's social media objectives and goals that will support international networking.

Table 6 StairwAI objectives

StairwAI objective	Social media goal	Metric(s)
Grow the brand	Awareness (illuminating current and potential audience)	Followers, shares, etc.
Turn users and stakeholders into advocates	Engagement (demonstrating how the audience is interacting with StairwAI's content)	Comments, likes, @mentions, etc.
Drive leads and usage of StairwAI services and offerings	Conversions (how effective is StairwAI's social engagement)	Website clicks, users brought to the AIoD, StairwAI being contacted
Improve user retention	User (how active users think and feel about StairwAI)	Testimonials, social media sentiment, etc.

Feedback collection and solution provision
While goals, and plans and strategies for achieving these should be clearly defined before commencing engagement activities with organisations, StairwAI must remain adaptable. This means that changes may occur leading to new objectives, or organisations may not be satisfied with the methods implemented for achieving these goals. Regularly gathering feedback and finding solutions for issues highlighted in this feedback is therefore of great importance for ensuring effective engagement and good relationships with stakeholders.

Engagement events
Events are key to networking and building new relationships, which is why it is important for StairwAI to attend as many in person, as well as online events as possible. Before attending these events StairwAI must map the organisations and individuals attending the event that could provide value to StairwAI. A value proposition must then be developed and presented to these organisations and individuals along with StairwAI's story, vision and mission. After the event it is crucial to follow up with the contacts made to further encourage engagement with StairwAI.

Help and Support
When collaborating and engaging with particular entity it is important that the organisation always has an option to contact StairwAI either through a dedicated contact person or through the general StairwAI contact. A list of FAQs, such as provided by FundingBox for Open Calls can provide great support to organisations and stakeholders.

The right tools

While tools used to engage with organisations currently include the AIoD platform, emails, the StairwAI website, and virtual and in-person meetings and events, the key tool that will facilitate user engagement will be the multilingual matchmaking service on the AIoD that is being developed by StairwAI.

The following main activities and tools will be fundamental to StairwAI's international networking strategy:
- Press releases/articles
- Social media entries, retweets/shares
- Releases/discussions in broadcast media (e.g. websites)
- Events organised by StairwAI
  - External meetings
  - Seminars/webinars
  - Workshops
- Events attended by StairwAI and presentations delivered
- User manuals/ tutorials/ trainings
- Creating dissemination and communication materials

4. International Networking Activities

4.1. Digital Innovation Hubs

To engage with one of the key regional organisations, namely DIHs, StairwAI closely examined the 318 DIHs in the European Network of DIHs operating in the area of AI. StairwAI Partner FundingBox then created an online DIHNET Community for AI DIHs,[1] which enabled communication and engagement with and between DIHs. In cooperation with DIHNET.EU, which is the pan-European network of regional DIHs, StairwAI then organised a webinar to present funding opportunities and a value proposition StairwAI had to offer DIHs. In this webinar StairwAI also presented an opportunity for DIHs and EDIH candidates to become Supportive Partners. 50 potential Supportive Partners were collected, with 29 coming from the DIH Roadshow and a survey to define DIH challenges in the BonsAPPs project. These DIHs will then be asked for their logos to be incorporated into the AI-on-demand Platform and will receive a DIH Toolkit, which StairwAI is currently developing. So far, StairwAI has gained the following Supportive Partners that have begun supporting StairwAI with its dissemination:
- Flemish AI EDIH
- IS4PROD
- Transylvania Digital Innovation Hub
- National Documentation Centre
- Eskisehir Osmangazi University Intelligent Factory and Robotics Laboratory
- Digital Innovation Zone
- ITI DCH (The Data Cycle Hub)
- Czech Institute of Informatics, Robotics, and Cybernetics
- IP4FVG - Industry Platform 4 Friuli Venezia Giulia

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[1] https://spaces.fundingbox.com/spaces/dihnet-eu-community-ai4eu-supportive-partners

- MinaSmart
- Thor Park
- Pomerania Digital Innovation Hub

To encourage additional DIHs to become StairwAI's Supportive Partners and to grow the DIH ecosystem of StairwAI, the first edition of a DIH Roadshow was organized in the form of a trilogy of webinars. The webinars specifically targeted Digital Innovation Hubs interested in boosting the adoption of AI. The three webinars included training in the following topics:
- **TOPIC 1** - How to boost AI Adoption in your region. Webinar Training #1 Discover an alternative source of funding (April 7th, 2022)
- **TOPIC 2** - How to boost AI Adoption in your region. Webinar Training #2 Master on how to apply to an AI Cascade Funding Opportunity (April 20th, 2022).
- **TOPIC 3** - How to boost AI Adoption in your region. Webinar Training #3 Build your alliances within the European AI Ecosystem (4th May, 2022)

The webinars were organized jointly by Stairwai, BonsAPPs and the FundingBox AI Community bringing together the three ecosystems. The panellists, who also helped disseminate the events to SMEs and other target audiences in their networks included FundingBox cascade funding experts, ICT-49 project partners, SME beneficiaries of the AI4EU project, and Digital Innovation Hubs. The webinars included experiences in AI adoption and were considered a success with a wide participation of 111 attendees from 14 countries (Italy, Greece, Hungary, Spain, Germany, Lithuania, Czech Republic, Romania, Ethiopia, Slovakia, Ireland, Mozambique, France, Turkey):

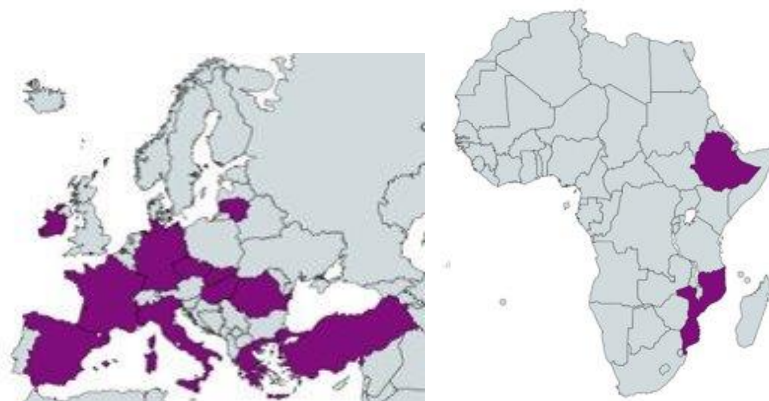*Figure 5 Participating countries to the webinars*

Additionally, StairwAI has been actively networking with other projects and networks and contributed to EU-wide repositories of reference and dissemination portals. 22 thousand people were reached via the FundingBox Newsletter, FundingBox social media, and MoneyBox, the FundingBox webpage. The projects and networks include:
- DIHNET.EU
- BonsAPPs
- I-Energy
- ELISE

- ICT-49 Communication WG and other joint activities within ICT-49 group
- ICT-49 DIH working group
- Projects related to AI and DIHs communities: AI Community, Weldgalaxy, I4MS, i4Q, DIH2, BOWI, SMART4ALL, DIHNET
- ICT-48 Community

4.2.   Other Regional and National Initiatives

UCC has been building a bridge between potential users of StairwAI's services and AI4EU, and now AI-on-Demand (AIoD) bodies by developing a space for the StairwAI matchmaking service and by creating a dedicated project page on the AIoD platform. (https://www.ai4europe.eu/ai-on-demand-services). On the project page potential consumers can learn about the StairwAI project, its offerings, and news and events. This space on AIoD has played a crucial role in the dissemination of StairwAI's outputs to regional and national initiatives, as well as SMEs, as it is linked to multiple other projects, such as ICT-49. This connection increases StairwAI's visibility and connects StairwAI to other regional and national networks. The project page also provides an overview and updates of some of the key value propositions such as Open Calls. These updates can additionally be found on the News and Events pages of the AIoD where StairwAI regularly contributes by communicating its outputs. This not only enables StairwAI and its partners to guide regional and national initiatives to the AIoD and encourage them to make use of StairwAI's outputs and services, but also to attract other stakeholders. Ensuring that StairwAI content is represented on and integrated with the AIoD has been a result of engagement with the developers of the AIoD platform, the TGB, and other relevant bodies of AIOD.

Engagement with potential users of StairwAI's outputs has also been established through communications activities, such as webinars and social media campaigns on StairwAI's social media and the AIOD. These events included, for example, the ICT-49 Open Call Info Day organized by UCC and the three webinar series for DIHs organized by FundingBox. They have had a significant positive impact on reaching regional and national initiatives, and promoting StairwAI's Open Calls. Regional and national initiatives have been invited to attend these events and were provided with dissemination materials to share on social media, newsletters, blogs and other channels. Especially the challenges of WP7 and the StairwAI Open Calls have been communicated to the target audience through national and regional initiatives listed in Section 2. This has been done through various channels, including ICT-49 and ICT-48 channels, other related project channels in Data and Robotics, and email and social media campaigns.

StairwAI leaders have supported the dissemination of the project by sharing outputs and other details about the project on their respective social media, reaching out to their wide network of national contacts. As a part of Task 8.5 StairwAI developed the stakeholder overview and initiated an email campaign with partners to reach out to different national and regional bodies to help reach SMEs. Moreover, joint efforts with ICT-48 and ICT-49 are continuously being made in the ICT-48 and ICT-49 Communications Working Groups (WGs) to connect different regional and national stakeholders with StairwAI. Such joint activities include social media campaigns, an introductory video to the different ICT-49 projects, webinars and much more. The ICT-49 Communications WG is led by StairwAI (UCC) and continuously initiates collaborative activities to increase the projects' reach and connection to regional and national initiatives. Some connections with regional and national initiatives have also provided StairwAI with opportunities to present the StairwAI project to SMEs at meetings and to engage SMEs with StairwAI and AIOD.

5. Outlook beyond the project

Once we have created a strong network of stakeholders around the AIoD platform, it is crucial that the ecosystem survives and becomes self-sustainable.

To this end, it is crucial that all EU projects that pertain the development of AI assets, of experimentation platforms, of benchmarks, of data-set, use-cases, services for the platform are committed to link with the platform, with the CSA that is managing the platform and developing the business model of the platform and its sustainability plan. Resources on the platform need to be enriched, better organised and made more easily accessible in a common marketplace.

6. Conclusion

This is the first of two deliverables where the StairwAI project provides a strategy for international networking and a perspective beyond the project.

An ecosystem analysis has been conducted to identify key national and regional organisations to reach AI experts, low-tech SMEs, resource providers and other organisations---such as institutions, public bodies and NGOs. To complete the picture, competitors have been mapped and analysed to identify collaboration opportunities and challenges. A strategy was then developed on how to engage with the national and regional initiatives and organisations that were identified.

A key factor of the networking strategy is to exploit all the synergies with the AI4EU project in which various partners of the consortium have been involved and all the networks and WGs of ICT-49 projects.

Annex 1: Targets Details

Table 7 Regional and National Organisations and Initiatives – SMEs and public institutions

Region	Organisation/Initiative
Regional and National	European Network of DIHs active on a regional and national level (approximately 300 DIHs)
Austria	respACT - austrian business council for sustainable development https://www.respact.at/ SME Vienna University of Economics and Business Administration, Department of Small and Medium Enterprises https://www.wu.ac.at/en/kmu Haus der Digitalisierung Austria https://www.virtuelleshaus.at/ Wirtschaftskammer Niederösterreich https://www.wko.at/service/noe/kontakt-anfahrt.html ecoplus der Wirtschaftsagentur Niederösterreich Wirtschaftskammern Österreichs - WKÖ(Austria) https://www.wko.at
Belgium	Union des Classes Moyennes - UCM(Belgium) http://www.ucm.be Unie van Zelfstandige Ondernemers - UNIZO(Belgium) https://www.unizo.be
Bulgaria	Made in Bulgaria - MIB(Bulgaria) http://www.spb.bg Union for Private Economic Enterprise - UPEE(Bulgaria) http://www.ssibg.org

Croatia	Udruga Glas poduzetnika / Voice of Entrepreneurs (Croatia) https://www.glaspoduzetnika.hr/ Hrvatska Udruga Poslodavaca - HUP(Croatia) http://www.hup.hr Hrvatska Obrtnička Komora - HOK(Croatia) https://www.hok.hr/
Cyprus	"Enterprise Europe Network Cyprus (EEN Cy) https://eencyprus.org.cy/en/ Research and Innovation Foundation (RIF) https://www.research.org.cy/en/rif/the-foundation/
Czech Republic	"Asociace malých a středních podniků a živnostníků České republiky (AMSP ČR) https://amsp.cz/about-us/?lang=en
Denmark	Organisationen for små og mellemstore virksomheder - SMVdenmark(Denmark) http://www.smvdanmark.dk
Estonia	Estonian Association of SMEs - EVEA(Estonia) http://www.evea.ee
Finland	Federation of Finnish Enterprises - FFE(Finland) http://www.yrittajat.fi
France	CMAR PACA Chambre de Métiers et de l'Artisanat de région Provence-Alpes-Côte d'Azur https://www.cmar-paca.fr/ FEEF: Fédération des Entreprises et Entrepreneurs de France https://www.feef.org/ CPME: Confédération des petites et moyennes entreprises https://www.cpme.fr/

	Entreprises - Associations de petites et moyennes entreprises (PME) - France https://fr.kompass.com/a/associations-de-petites-et-moyennes-entreprises-pme/8752052/ Young Entrepreneurs Organisation of the European Union https://jeune-europe.org/ CCI Paris, IDF https://www.entreprises.cci-paris-idf.fr/ Union des Entreprises de Proximité - U2P(France) https://u2p-france.fr/ https://www.label-pmeplus.fr/les-pmeplus/
Germany	FZI Forschungszentrum Informatik Karlsruhe https://www.fzi.de/ CyberForum / deHub for AI in Karlsruhe https://digitalhub-ai.de/en/dehub-karlsruhe VDE Verband der Elektrotechnik Elektronik Informationstechnik e.V. https://www.vde.com/en DKI Deutsches Kundeninstitut https://www.dk-institut.de/ HTGF High-Tech Gründerfonds, High-Tech-Start-Ups Bonn https://www.htgf.de/en/ Zentralverband des Deutschen Handwerks https://www.zdh.de/ DIN Deutsches Institut für Normung Head of Business Development Artificial Intelligence bei DIN https://www.din.de/de ZVEI Elektroindustrie https://www.zvei.org/en/ Heinz-Piest-Institut für Handwerkstechnik an der Leibniz Universität Hannover https://hpi-hannover.de/

	SIGNAL-IDUNA Krankenversicherung a. G. - SIGNAL-IDUNA(Germany) http://www.signal-iduna.de
Greece	Hellenic Confederation of Professionals, Craftsmen & Merchants - GSEVEE(Greece) https://www.gsevee.gr Hellenic Confederation of Commerce and Entrepreneurship - ESEE(Greece) https://www.esee.gr
Hungary	Ipartestületek Országos Szövetsége - IPOSZ(Hungary) http://www.iposz.hu
Ireland	iSME Ireland Enterprise Ireland, https://www.enterprise-ireland.com/en/ Design and Crafts Council of Ireland (DCCI), https://www.dcci.ie/ 31 Local Enterprise Offices (National Enterprise Awards), https://www.localenterprise.ie/ Local Enterprise Office South Cork Local Enterprise Office Cork City Local Enterprise Office West Cork Local Enterprise Office North Cork Local Enterprise Office Kerry Local Enterprise Office Waterford City Local Enterprise Office Tipperary

Local Enterprise Office Limerick

Local Enterprise Office Clare

Local Enterprise Office Wexford

Local Enterprise Office Kilkenny

Local Enterprise Office Carlow

Local Enterprise Office Laois

Local Enterprise Office Wicklow

Local Enterprise Office Galway

Local Enterprise Office Offaly

Local Enterprise Office Kildare

Local Enterprise Office Dun Laoghaire

Local Enterprise Office South Dublin

Local Enterprise Office Fingal

Local Enterprise Office Dublin City
Local Enterprise Office Westmeath

	Local Enterprise Office Meath

Local Enterprise Office Roscommon
Local Enterprise Office Longford
Local Enterprise Office Mayo
Local Enterprise Office Leitrim

Local Enterprise Office Cavan
Local Enterprise Office Louth
Local Enterprise Office Sligo

Local Enterprise Office Monaghan

Local Enterprise Office Donegal |
| Italy | CONFINDUSTRIA - General Confederation of Italian Industry
Aice - Associazione Italiana Commercio Estero

https://www.aicebiz.com/it/associazioni/categoria/aice/it/

Confartigianato Imprese(Italy)
 http://www.confartigianato.it

Confederazione Nazionale dell'Artigianato e delle Piccole e Medie Imprese - CNA(Italy)
 http://www.cna.it

Confindustria
Brex

ITDirector Forum
Confcommercio – Imprese per l'Italia(Italy)
 https://www.confcommercio.it |

Latvia	Magnetic Latvia Invest https://investinlatvia.org/ Latvijas Biznesa Savienība - BUL(Latvia) https://www.savieniba.lvLatvijas Tirdzniecības un Rūpniecības kamera – Latvian Chamber of Commerce and Industry (LTRK) https://www.ltrk.lv/
Lithuania	https://www.chambers.lt/paslaugos/ Vilnius Chamber of Commerce, Industry and Crafts (Vilnius CCIC) http://www.cci.lt/en/home/ Kaunas Chamber of Commerce, Industry and Crafts (Kaunas CCIC) https://chamber.lt/
Luxembourg	Fédération des Artisans - FDA(Luxembourg) https://www.fda.lu"
Malta	Malta Business & Profession Association https://index.maltaemployers.com/en/malta-business-profession-association Malta Employers Association (SME Helpdesk) https://www.maltaemployers.com/the-mea-sme-helpdesk/ Malta Chamber of SMEs(Malta) http://www.smechamber.mt/
Netherlands	MKB-Nederland(The Netherlands) https://www.mkb.nl/"

Poland	Zwiazek Rzemiosla Polskiego - ZRP(Poland) http://www.zrp.pl
Portugal	Pequenas e Médias Empresas (PME) https://www.pmeportugal.pt/ Agency for Competitiveness and Innovation (IAPMEI) https://www.iapmei.pt/Contactos.aspx
Romania	Consiliul National al Intreprinderilor Mici si Mijlocii din Romania - CNIPMMR(Romania) http://www.cnipmmr.ro
Slovakia	"Slovak Business Agency - SBA(Slovakia) http://www.sbagency.sk"
Slovenia	"Obrtno-podjetniška Zbornica Slovenije - OZS(Slovenia) http://www.ozs.si"
Spain	Dirección General de Industria y de la Pequeña y Mediana Empresa http://www.ipyme.org/es-ES/Paginas/Home.aspx PIME's Group - Petita i Mitjana Empresa de Mallorca, Baleares - PIMEB(Spain) http://www.pimeb.net PIME's Group - Petita i Mitjana Empresa de Catalunya - PIMEC(Spain) http://www.pimec.org COEINF - Col·legi d'Enginyeria Informàtica de Catalunya https://enginyeriainformatica.cat/ FIDEM - Fundación Internacional de la Mujer Emprendedora https://www.fidem.info/ Cambra Barcelona https://www.cambrabcn.org/ CIDAI - CenterCenter for Innovation in Data Tech and Artificial Intelligence https://cidai.eu/ Children's Fashion Europe - CFE(Spain) https://cfeurope.wordpress.com

Sweden	Företagarna (Sweden) http://www.foretagarna.se
UK	Federation of Small Businesses - FSB(United Kingdom) http://www.fsb.org.uk

Table 8 Regional and National Organisations and Initiatives – AI Expert Groups

Country	AI Expert Group Name	Website
Austria	Austrian Council on Robotics and Artificial Intelligence	https://www.acrai.at/en/the-council/
Austria	austrian society for artificial intelligence (ASAI)	https://www.asai.ac.at/en/
Austria	Austrian Research institute for artificial intelligence	https://www.ofai.at/
Austria	AI Austria	https://aiaustria.com/
Belgium; Luxemburg; Netherlands	BeNeLux Vereniging voor Kunstmatige Intelligentie (BNVKI)	http://www.bnvki.org/
Bulgaria	AI Cluster Bulgaria	https://aicluster.bg/
Bulgaria	ЪЛГАРСКА АСОЦИАЦИЯ ПО ИЗКУСТВЕН ИНТЕЛЕКТ (БАИИ) - BULGARIAN ASSOCIATION OF ARTIFICIAL INTELLIGENCE (BAII)	http://www.aimsaconference.org/BAIA/
Croatia	CroAI - Croatian Artificial Intelligence Association	https://www.croai.org/about
Czech Republic	Czech Society for Cybernetics and Informatics (ČSKI)	https://www.cski.cz/homepage/en
Denmark	Danish Artificial Intelligence Society (DAIS)	
EU	HumaneAI Net: EUROPEAN NETWORK OF HUMAN-CENTERCENTERED ARTIFICIAL INTELLIGENCE	https://www.humane-ai.eu/
EU	EUROPEAN ASSOCIATION FOR AI (EurAI)	https://www.eurai.org/
EU	Confederation of Laboratories for Artificial Intelligence Research in Europe (CLAIRE)	https://claire-ai.org/
Finland	Finnish CenterCenter for Artificial Intelligence	https://fcai.fi/
Finland	Finnish Artificial Intelligence Society (FAIS)	http://www.stes.fi/

32

France	ASSOCIATION FRANCAISE pour l'INTELLIGENCE ARTIFICIELLE (AFIA)	https://afia.asso.fr/cat/association/
Germany	GI-Fachbereich Künstliche Intelligenz (FBKI)	https://fb-ki.gi.de/en/
Germany	German Research Center for Artificial Intelligence (DFKI)	https://www.dfki.de/en/web
Greece	Hellenic Artificial Intelligence Society (EETN)	http://www.eetn.gr/en/
Hungary	Neumann János Számítógéptudományi Társaság	https://njszt.hu/hu
Hungary	Artificial Intelligence Coalition	https://ai-hungary.com/
Ireland	Artificial Intelligence Association of Ireland (AIAI)	http://aiai.ucd.ie/
Italy	Expert Group on Artificial Intelligence	https://www.mise.gov.it/index.php/it/10-istituzionale/ministero/2038906-intelligenza-artificiale-membri-del-gruppo-di-esperti
Italy	AI Forum	https://www.aiforum.eu/
Italy	Associazione Italiana per l'intelligenza Artificiale (AIxIA)	https://aixia.it/
Lithuania	Lithuanian Computer Society (LIKS)	https://www.liks.lt/en/
Malta	Malta AI Taskforce	https://malta.ai/the-team/
Netherlands	Netherlands AI Coalition (NL AIC)	https://nlaic.com/en/
Norway	NAIS - Norwegian Artificial Intelligence Society	https://www.aisociety.no/
Poland	PSSI Polskie Stowarzyszenie Sztucznej Inteligencji	https://pssi.org.pl/en:start
Portugal	Associação Portuguesa Para a Inteligência Artificial (APPIA)	https://www.appia.pt/
Romania	ARIA (Asociaţia Română pentru Inteligenţă Artificială)	http://aria-romania.org/
Slovakia	Slovenská spoločnosť pre kybernetiku a informatiku (SSKI)	http://www.sski.sk/webstranka/en
Slovenia	SLAIS (Slovenian Artificial Intelligence Society)	https://slais.ijs.si/
Spain	Associació Catalana d'Intel·ligència Artificial (ACIA)	https://www.acia.cat/
Spain	Asociación Española para la Inteligencia Artificial (AEPIA)	http://www.aepia.org/aepia/
Sweden	Swedish AI Society (SAIS)	http://www.sais.se/
Sweden	AI Sweden	https://www.ai.se/en
Switzerland	SGAICO – Swiss Group for Artificial Intelligence and Cognitive Science	https://sgaico.swissinformatics.org/

UK	BCS SGAI: The Specialist Group on Artificial Intelligence	http://www.bcs-sgai.org/
UK	Society for the Study of Artificial Intelligence and Simulation of Behaviour (AISB)	https://aisb.org.uk/
UK	Ada Lovelace Institute	https://www.adalovelaceinstitute.org/
UK	Alan Turing Institute	
UK	Cambridge Centre for Data-Driven Discovery (C2D3)	https://www.c2d3.cam.ac.uk/about
Netherlands	Netherlands AI Coalition (NL AIC)	https://nlaic.com/en/

Table 9 Regional and National Organisations and Initiatives – Digital Innovation Hubs

Country	Name of DIH	Website
Austria	BioNanoNet ForschungsGmbH, BNN	http://www.bionanonet.at
Austria	Digital Innovation Hub (DIH) West	https://dih-west.at/
Austria	Know-Center GmbH	http://www.know-center.tugraz.at/
Austria	Linz Center of Mechatronics GmbH	http://www.lcm.at
Austria	Virtual Vehicle Research Center	https://www.v2c2.at/
Austria	VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH	http://www.vrvis.at
Belgium	Flanders Make vzw	https://www.flandersmake.be
Belgium	Centre de recherche en aéronautique ASBL, Cenaero	http://www.cenaero.be/
Belgium	Flanders' FOOD, FF	http://www.flandersfood.com/
Belgium	IMEC	https://www.imec-int.com/en/home
Belgium	Made Different | Digital Wallonia	https://www.digitalwallonia.be/fr/publications/made-different-digital-wallonia
Belgium	Réseau LIEU – LIaisons Entreprises-Universités	http://www.reseaulieu.be/en
Belgium	Sirris Hub / Data and software Innovation	http://www.sirris.be
Belgium	Sirris Hub Mechatronics and Digitising Manufacturing	https://www.sirris.be/
Belgium	Sirris Hub Smart Assembly	https://www.sirris.be/
Belgium	SynHERA	http://www.synhera.be
Belgium	3IF - Industrial Internet In Flanders	http://www.3if.eu
Belgium	3IF.be & 3IF.be Fieldlab	http://www.3if.be
Bulgaria	Southeast Digital Innovation Hub	https://digihub.bg/

Croatia	AgriFood Croatia	https://agrifoodcroatia.com/
Croatia	Algebra LAB	https://www.algebra.hr/lab/
Croatia	Business incubator PISMO	http://inkubator-pismo.eu/en/digital-inovation-hub/
Croatia	CROBOHUB Croatian Robotics Digital Innovation Hub	http://www.icent.hr/en/crobohub/
Croatia	DIH North	https://www.dih-north.eu/
Croatia	DIH TERA	http://www.tera.hr
Croatia	hub.in Bjelovar	https://www.hubinbjelovar.com/
Croatia	InfoDesignHub	http://inovadr.hr
Croatia	RBI DIH	http://cir.com.hr/rbidih/
Croatia	SMIH 3D - Smart 3D Industry Hub	https://3d-grupa.com/
Cyprus	Cyprus Digital Innovation Hub	https://www.cyric.eu/cydi_hub/
Cyprus	Cyprus University of Technology Robotics, Control, and Decision Systems DIH (RCDS - DIH)	https://www.rcdslab.org
Czech Republic	Czech Institute of Informatics, Robotics, and Cybernetics	https://www.ciirc.cvut.cz/
Czech Republic	Hub for Digital Innovations (H4DI)	http://www.H4DI.cz
Czech Republic	IT4Innovations National Supercomputing Center	https://www.it4i.cz
Czech Republic	Plan4all	https://hub.plan4all.eu/
Czech Republic	Research Center for Informatics	http://rci.cvut.cz/
Czech Republic	South Bohemian Digi Hub	http://www.jvtp.cz/en/about-us/our-projects/south-bohemian-digi-hub.html
Denmark	Aarhus University Centre for Digitalisation, Big Data and Data Analytics (DIGIT)	http://www.digit.au.dk
Denmark	BrainsBusiness ICT North Denmark	http://www.brainsbusiness.dk/
Denmark	Center Denmark	https://www.centercenterdenmark.com/
Denmark	Danish Technological Institute, Robot Technology	https://www.dti.dk/robot
Denmark	DigitalLead	https://digitallead.dk/
Denmark	EnergyDataDK	https://energydata.dk/en/
Denmark	MADE - Manufacturing Academy of Denmark	http://MADE.dk/
Denmark	The Alexandra Institute - ICT-based innovation	https://www.alexandra.dk
Estonia	DIH Tartu	https://www.cs.ut.ee/en/DIHTartu
Estonia	Smart Industry Centre (SmartIC)	http://www.smartic.ee
Estonia	Tallinn Science Park Tehnopol	https://www.tehnopol.ee/

Finland	Arctic Development Environments Cluster	https://ardico.fi/portal#/go-digital
Finland	Arctic Drone Labs	https://www.arcticdronelabs.com
Finland	AURIA CLINICAL INFORMATICS (ACI)	https://www.auria.fi/tietopalvelu/en/index.php?lang=en
Finland	DigiCenterNS	https://www.digicentercenterns.fi/en/home/
Finland	Finnish Center for Artificial Intelligence (FCAI)	https://fcai.fi/
Finland	Intelligent Industry ecosystem	https://intelligentindustry.dimecc.com/
Finland	One Sea - Autonomous Maritime Ecosystem	https://oneseaecosystem.net
Finland	OuluHealth	http://ouluhealth.fi
Finland	ROBOCOAST	http://www.robocoast.eu
Finland	Super IoT	http://www.superiot.fi
Finland	5G Test Network Finland (5GTNF)	http://5gtnf.fi/
France	Atlanpole	http://www.atlanpole.fr
France	Cap Digital	http://www.capdigital.com/
France	CCI/Quai Alpha	https://www.quai-alpha.com/digital-innovation-hub/
France	Centre Val de Loire Digital Innovation Hub	https://www.devup-centrevaldeloire.fr/dih
France	CITC-EuraRFID	http://www.iotcluster.fr
France	DIGIHALL	http://www.digihall.fr
France	DIHNAMIC - Digital Innovation Hub for Nouvelle-Aquitaine Manufacturing Industry Community	https://www.dihnamic.eu
France	E-Secure Transactions Cluster - TES	https://www.pole-tes.com/
France	Faubourg Numérique	http://faubourgnumerique.com/
France	ICT4Manuf	https://ict4manuf.univ-lyon2.fr/Digital-Innovation-Hub/?page_id=1695
France	Images et Réseaux	http://www.images-et-reseaux.com/fr
France	JESSICA FRANCE - CAP'TRONIC program	https://www.captronic.fr
France	Minalogic	https://www.minalogic.com/fr
France	minaSmart	http://www.minasmart-auvergnerhonealpes.com/
France	Move2Digital	https://www.move2digital.eu/
France	NextMove	https://nextmove.fr/
France	Pôle EMC2 Competitiveness cluster for innovation in production technologies	http://www.pole-emc2.fr/

France	Secured Communicating Solutions cluster (SCS)	https://www.pole-scs.org
France	Systematic Paris Region	http://www.systematic-paris-region.org/
France	TeraLab: Big Data and AI Platform for Research, Innovation, and Education	https://www.teralab-datascience.fr/
France	ViaMéca	http://www.viameca.fr/accueil-viameca.html
Germany	Aachen DIH CenterCenter for Robotics in Healthcare	http://www.robotics.ukaachen.de/
Germany	BIBA- Bremer Institut für Produktion und Logistik GmbH	http://www.biba.uni-bremen.de/
Germany	CenterCenter Digitisation District Böblingen (ZD.BB)	https://www.zd-bb.de
Germany	CenterCenter Digitisation.Bavaria, ZD.B	https://zentrum-digitalisierung.bayern
Germany	DFKI Human Centric AI Innovation Hub	https://www.dfki.de/en/web/
Germany	Digital Hub Logistics	http://www.digitalhublogistics.com
Germany	Digital Innovation Hub for AI and Cybersecurity (DIH4AISec)	https://www.l3s.de/en/innovation/hub
Germany	Digital Innovation Hub 'Smart Production Systems Saxony' – InnoSax	http://innosax-smartproductionsystems.de
Germany	Frankfurt School Blockchain Center (FSBC) at the Frankfurt School of Finance & Management gGmbH (FS)	https://www.frankfurt-school.de/en/home/research/centres/blockchain
Germany	Fraunhofer Future Work Lab (FWL)	http://www.futureworklab.de
Germany	FZI Research Center for Information Technology	http://www.fzi.de/en/home/
Germany	Hahn-Schickard Gesellschaft für Angewandte Forschung e.V. (Hahn-Schickard)	https://www.hahn-schickard.de/
Germany	Mittelstand 4.0 Competence Centre Ilmenau	https://www.kompetenzzentrum-ilmenau.digital/
Germany	Mittelstand 4.0-Kompetenzzentrum Bremen	https://kompetenzzentrum-bremen.digital
Germany	Mittelstand 4.0-Kompetenzzentrum Darmstadt	https://www.mit40.de
Germany	Munich Innovation Hub for Applied AI	https://www.appliedai.eu
Germany	Reutlingen University Werk150	https://en.werk150.de/
Germany	Siegener Mittelstandsinstitut (SMI)	http://www.uni-siegen.de/smi/

Germany	Smart Data Solution Center Baden-Württemberg	https://sdsc-bw.de/
Germany	Smart Infrastructure Hub Leipzig	http://www.smartinfrastructurehub.com
Germany	Smart Systems Hub - Enabling IoT	http://www.smart-systems-hub.de
Germany	SpectroNet - International Collaboration Cluster	https://www.spectronet.de
Germany	Technologie-Initiative SmartFactory KL e.V.	https://smartfactory.de
Germany	Technology Transfer via Multinational Application Experiments (TETRAMAX)	https://www.tetramax.eu
Germany	VDTC of the Fraunhofer IFF	https://www.produktion.fraunhofer.de/de/forschung-im-verbund/forschungskooperationen/digitalinnovationhubs.html
Greece	ATHENA Research and Innovation Center	http://www.athena-innovation.gr
Greece	Attica Hub for the Economy of Data and Devices- ahedd	http://ahedd.demokritos.gr/
Greece	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS	https://www.certh.gr/
Greece	Embedded System Design & Application Laboratory DIH (ESDALAB DIH)	https://dih.esdalab.ece.uop.gr
Greece	Foundation for Research and Technology – Hellas (FORTH) / PRAXI Network	https://www.praxinetwork.gr
Greece	Internet of Things, Intelligent Systems, Data Engineering and Media DIH [National Technical University of Athens - Institute of Communication and Computer Systems]	https://www.dih-ntua.gr/services/
Greece	National Documentation Centre / National Hellenic Research Foundation	http://www.ekt.gr/en
Greece	nZEB Smart House	https://smarthome.iti.gr
Hungary	AddedValue	https://www.addedvalueinstitution.com/?page_id=178
Hungary	Demola-Budapest	https://budapest.demola.net/
Hungary	Dig-I-Hub Kecskemét	http://iqkecskemet.hu/dih-kecskemet/
Hungary	innomine Digital Innovation Hub	http://innomine.com/digital-innovation-hub

Hungary	innomine DIH - South Transdanubian branch	http://innomine.com/digital-innovation-hub
Hungary	Innoskart Digital Innovation Hub	https://innoskart.digital/en/projektek/digital-innovation-hub/
Ireland	CeADAR: Ireland's Centre for Applied AI	https://www.ceadar.ie/
Ireland	Confirm | Research Centre for Smart Manufacturing	https://confirm.ie/dih/
Ireland	Insight Centre for Data Analytics	https://www.insight-centre.org/
Ireland	Irish Centre for Cloud Computing and Commerce (IC4)	http://www.ic4.ie
Ireland	Irish Manufacturing Research	http://www.imr.ie/
Italy	PARSEC HUB MILAN	http://www.parsec-hub.eu
Italy	AFIL - Lombardy Intelligent Factory Association	http://www.afil.it/
Italy	AREA Science Park - IP4FVG	http://www.ip4fvg.it
Italy	ART-ER-DIH	https://www.aster.it/en/aster-dih/
Italy	BI-REX - BIG DATA INNOVATION & RESEARCH EXCELLENCE	https://bi-rex.it/
Italy	Campania Digital Innovation Hub	http://www.campaniadih.it/
Italy	CETMA - Technologies Design and Materials European Research Centre	http://www.cetma.it/
Italy	Cineca Consorzio Interuniversitario	https://www.cineca.it/
Italy	ComoNExT Innovation Hub	https://www.comonext.it/
Italy	Confapi Digital Innovation Hub	https://www.confapi.org/it/digital-innovation-hub-confapi.html
Italy	DIEX - Digital Experience	http://www.diex.it
Italy	Digital Innovation Hub Basilicata	http://www.confindustria.basilicata.it/
Italy	Digital Innovation Hub Emilia-Romagna	https://cerr.eu/en/projects/dih-er
Italy	Digital Innovation Hub Liguria	http://www.dihliguria.it
Italy	Digital Innovation Hub Lombardia	http://www.dihlombardia.com
Italy	Digital Innovation Hub Piemonte	http://www.dih.piemonte.it
Italy	Digital Innovation Hub South Tyrol	http://www.noi.bz.it
Italy	Digital Innovation Hub Toscana	https://www.confindustria.toscana.it/digital-innovation-hub-toscana/
Italy	Digital Innovation Hub Vicenza	https://www.digitalinnovationhubvicenza.it
Italy	DIH - Calabria	https://www.dihcalabria.it/
Italy	DIH- Confartigianato Ancona - Pesaro e Urbino	http://www.confartigianatoimprese.net/content/servizi-corsi-digital-innovation-hub-confartigianato-ancona

Italy	DIH Marche - 4M.0	http://www.4m0.it/
Italy	DIH Udine	http://www.dih.ud.it
Italy	DIHV	http://www.dihv.it/
Italy	Ecipa Nordest Hub	http://www.ecipahub.eu/
Italy	EDI.it - Digital Innovation Ecosystem	https://www.ediconfcommercio.it
Italy	FIWARE Innova iHub	https://fiwareinnova.org/
Italy	innovation experience HUB (InnexHUB)	https://www.innexhub.it
Italy	lvh.apa Digital Innovation Hub Südtirol - Alto Adige	http://www.digitalinnovationhub.bz.it/en/
Italy	MADE - Competence Center	https://www.made-cc.eu
Italy	MARCHE INNOVATION HUB	http://www.innovationbox.it
Italy	MEDISDIH - Apulian Mechatronics Technological Cluster and Digital Innovation Hub	http://www.medisdih.it/wp/en/services-2/
Italy	PARSEC HUB ANCONA	http://www.parsec-hub.eu
Italy	PARSEC HUB BARI	http://www.parsec-hub.eu
Italy	PARSEC HUB CATANIA	http://www.parsec-hub.eu
Italy	PARSEC HUB GENOVA	http://www.parsec-hub.eu
Italy	PARSEC HUB NAPOLI	http://www.parsec-hub.eu
Italy	PARSEC HUB PERUGIA	http://www.parsec-hub.eu
Italy	PID BERGAMO SVILUPPO	https://www.bergamosviluppo.it/sito/sviluppo-e-innovazione/pid-punto-impresa-digitale.html
Italy	Politecnico di Milano	https://www.polimi.it/en/home/
Italy	Regional Platform Industry 4.0 of Tuscany Region (Tuscan Platform Industry 4.0)	http://www.cantieri40.it/i40/index.php
Italy	RIF BioRobotics Institute	http://www.pecciolirif.com/
Italy	SMACT Competence Center	https://www.smact.cc
Italy	SMILE-DIH (Smart Manufacturing Innovation for Lean Excellence center - Digital Innovation Hub)	http://smile.italian-dih.eu/
Italy	SPEEDHUB	https://www.fondazionespeedhub.it
Italy	Trentino Digital Innovation Hub	https://dih-taa.eu/en/
Italy	t2i - DIH Triveneto	https://www.t2i.it/dih
Italy	Umbria Digital Innovation Hub	http://dih.confindustria.umbria.it
Latvia	EDI DIH	https://www.edi.lv
Latvia	Farmers Parliament Latvia Digital Innovation Hub - ZSA DIH	https://www.smartagro.lv/
Latvia	Latvian IT Cluster	http://www.itbaltic.com
Latvia	RTU ITI Digital Innovation Hub	http://iti.rtu.lv/en/dih

Latvia	Ventspils High Technology Park (VHTP)	http://www.vhtp.lv/
Lithuania	Advanced Manufacturing Digital Innovation Hub	http://intechcentras.lt/services/advanced-manufacturing-digital-innovation-hub/?lang=en
Lithuania	AgriFood Lithuania DIH	https://www.agrifood.lt/
Lithuania	Agro Space DIH	http://www.vpva.lt/agrospacedih/
Lithuania	DIGITAL INNOVATION HUB „Smart Society"	https://smartsociety.lt/
Lithuania	Future Technologies Digital Innovation Hub (FTDIH)	https://www.futuredih.eu/
Lithuania	INFOBALT DIH	https://infobalt.lt/dih/
Lithuania	LIFE SCIENCES DIH LITHUANIA	http://lsdih.com
Lithuania	Lighthouse Digital Innovation Hub	https://lighthouse.lt
Lithuania	Lithuanian robotic DIH (LTroboticsDIH)	http://www.ltrobotics.eu/en/digital-innovation-hub/
Lithuania	Santaka Artificial Intelligence DIH	http://santakosslenis.lt/en/
Lithuania	Santaka Digital Innovation HUB	https://dih.santaka.eu/
Lithuania	Smart Audiovisual World	http://www.sawhub.tech
Lithuania	Smart Health Digital Innovation Hub	https://www.smarthealthdih.eu
Lithuania	Sunrise Valley Digital Innovation Hub (SV DIH)	https://sunrisevalleydih.lt/en/
Lithuania	ViDIH Visoriai Digital Innovation Hub	https://vitp.lt/vidih/?lang=en
Luxembourg	Luxembourg Institute of Science and Technology (LIST)	https://www.list.lu/
Netherlands	BOOST Smart Industry Hub, East-Netherlands	https://smartindustryoost.nl
Netherlands	Brainport Industries Campus - Factory of the Future	https://www.brainportindustriescampus.com/en
Netherlands	Brightlands Smart Services Campus	https://brightlands.com/en/brightlands-smart-services-campus/brightlands-smart-services-campus-smes
Netherlands	DIH High Tech Software Cluster	https://hightechsoftwarecluster.nl/digital-innovation-hub/
Netherlands	EGI DIH	https://www.egi.eu/business/
Netherlands	EOSC-DIH	https://www.eosc-dih.eu
Netherlands	European Digital Innovation Hub The Northern Netherlands / Region of Smart Factories	https://rosf.nl/dih/
Netherlands	Industrial Reality Hub	http://www.industrialrealityhub.com

Netherlands	Innovation CenterCenter for Artificial Intelligence	http://icai.ai
Netherlands	Innovation Cluster Drachten (ICD)	http://www.icdrachten.nl
Netherlands	Jheronimus Academy of Data Science	https://www.jads.nl/
Netherlands	Living Lab for Smart Society (LL4SS) aka Living Lab Stratumseind 2.0	https://citylabacademy.nl/
Netherlands	Novel-T	http://www.novelt.com
Netherlands	PhotonDelta	https://www.photondelta.eu/
Netherlands	RoboValley Delft	http://www.robovalley.com/
Netherlands	Smart Connected Supplier Network	http://smart-connected.nl/
Netherlands	Smart Industry Hub South	https://www.smartindustry.nl/smart-industry-zuid/
Netherlands	Smart Welding Factory (SWF)	http://www.smartweldingfactory.com/
Netherlands	Space53	http://www.space53.eu/
Netherlands	TechMed Innovation Hub	https://www.utwente.nl/en/techmed/innovation/
Norway	Digital Innovation Hub Oceanopolis	https://www.dihoceanopolis.com
Norway	Energy Valley	https://energyvalley.com/
Norway	Norway Health Tech	https://www.norwayhealthtech.com/
Norway	Oslo Cancer Cluster	http://oslocancercluster.no/
Norway	SINTEF	https://www.sintef.no/en/
Poland	Centre for Advanced Manufacturing Technologies, Wroclaw University of Science and Technology	http://www.camt.pl/index.php/en/home-en/
Poland	CYBERSEC HUB	http://cybersechub.eu/
Poland	DIH4.AI	https://dih4.ai/
Poland	HPC4Poland	http://www.hpc4poland.pl
Poland	NASK National Research Institute	https://eng.nask.pl/
Poland	PIAP HUB	http://www.hub.piap.pl/
Poland	Robotics Association SKALP	https://srskalp.pl/
Portugal	Algarve Smart Destination, Digital Innovation Hub	http://www.algarvesmartdestination.com
Portugal	HUB for Agriculture (HUB4AGRI)	http://hub4agri.com/
Portugal	iMan Norte Hub - Digital Innovation Hub for Customer-Driven Manufacturing @ Norte	https://www.imannortehub.com/
Portugal	inNOVA4TECH hub – inNOVAtion Hub for TECHnology Transfer	http://www.innova4tech.uninova.pt/
Portugal	Madeira Digital Innovation HUB	https://www.madeiradih.com
Portugal	PRODUTECH Digital Innovation Hub National Platform	http://www.produtech.org

Romania	Danube Digital Innovation Hub	https://danubedih.ro/
Romania	Digital Innovation Hub for Society (DIH4S)	https://www.dih4society.ro
Romania	Digital Innovation SMART eHUB	https://smartehub.ro/
Romania	Futures of Innovation and Technology Digital Innovation Hub	https://digitalinnovationhub.fit/
Romania	North- East Romania DIH - ˝Digital Innovation Zone˝	https://digital-innovation.zone
Romania	RO Tech Nation DIH	http://rotechnation.eu/
Romania	Sibiu Smart Systems	http://centercenters.ulbsibiu.ro/incon/dih
Romania	Transilvania Digital Innovation Hub	https://transilvaniadih.ro/
Romania	Transilvania Digital Innovation Hub - Transilvania DIH	https://transilvaniadih.ro/
Romania	Wallachia eHub	https://wallachiaehub.ro/en/about-us/
Slovakia	DIH TECHNICOM (organisation unit of the University Science Park TECHNICOM)	https://dihtechnicom.tuke.sk/
Slovakia	Robotics Hub Technical University of Kosice	http://roboticshub.sk/en/
Slovenia	Digital Innovation Hub of Eastern Slovenia (DIGITECH SI -East)	http://digitech-si-east.eu
Slovenia	DIH AGRIFOOD - Digital Innovation Hub for Agriculture and Food production	http://itc-cluster.com/dih-agrifood/
Slovenia	DIH for digital twins of logistics systems and manufacturing processes and systems (DIH_DiTMaPS)	http://dih-ditmaps.si
Slovenia	DIH UM	http://dih.um.si/en/
Slovenia	Healthday.si - Digital Innovation Hub in Healthcare and Biotech	http://www.healthday.si/about-us-and-dih
Slovenia	HPC5 - High Performance and Cloud Computing Cross-border Competence Consortium	https://hpc5.eu/eng/
Slovenia	Jožef Stefan Institute	http://tehnologije.ijs.si
Slovenia	4PDIH - Public Private People Partnership Digital Innovation Hub	http://4pdih.com
Spain	AIR4S - Artificial Intelligence & Robotics for Sustainable Development Goals	http://www.upm.es/dih-air4s
Spain	AI4GALICIA: Artificial Intelligence for Galicia	http://ai4galicia.eu

Spain	Andalucía Agrotech Digital Innovation Hub	https://www.andaluciaagrotech.com/
Spain	Barça Innovation Hub (BIHUB)	http://barcainnovationhub.com/
Spain	Basque Digital Innovation Hub (BDIH)	http://www.spri.eus/en/basque-industry/basque-digital-innovation-hub/
Spain	Canary Island Digital Innovation Hub (CIDIHub)	http://www.avantalia.net/dih_canarias.html
Spain	Catalonia AI DIH	https://www.bigdatabcn.com/en/catalonia-ai-dih/
Spain	Catalonia Digital Innovation Hub (DIH4CAT)	https://dih4cat.cat/
Spain	Centre d'Innovació i Tecnologia de la UPC (CIT UPC)	https://cit.upc.edu/en
Spain	Cybersecurity Innovation HUB	https://www.cyberdih.com/
Spain	Data Science and Artificial Intelligence (DASAI)	https://dasciihub.dasci.es/
Spain	DATAlife	http://dihdatalife.com/
Spain	DIGIS3 - Smart, Sustainable and coheSive Digitalization	https://digis3.eu/en
Spain	Digital Health-Biosciences (DIH·bio)	https://www.knode.eu/en/dihbio
Spain	Digital Impulse Hub	https://digitalimpulsehub.eu
Spain	Digital Innovation Hub on Livestock, Environment, Agriculture & Forest (DIH-LEAF)	https://www.dih-leaf.eu
Spain	Digital Silver Economy (DIHDSE)	https://www.dihsilvereconomy.com/en
Spain	Digital Water Innovation Hub (Digital Water)	https://eurecat.org/en/centres-of-excellence/centre-for-water-management-excellence/
Spain	DIH-BAITUR: Digital Innovation Hub of the Balearic Islands for Artificial Intelligence and Tourism	http://www.dihbai-tur.com
Spain	DIHBU Industry 4.0	https://dihbu-industry.fundingbox.com/
Spain	DIHGIGAL - Digital Innovation Hub of Galician Industry	https://dihgigal.com/
Spain	Dinapsis DIH	https://www.dinapsis.es/dih-dinapsis/
Spain	espaitec Science and Technology Park	http://www.espaitec.uji.es
Spain	ETICOM, Digital economy cluster in Andalusia	http://www.eticom.com
Spain	FIWARE Space	https://www.fiware.space/
Spain	FIWARE Zone	https://fiware.zone/

Spain	GALician manufACTuring Innovation ConsortiA (GALACTICA)	http://www.galacticaDIH.eu/
Spain	Granada Health Technology Park	http://www.ptsgranada.com/
Spain	Granada Plaza Tecnológica y Biotecnológica	https://www.ongranada.com/
Spain	HPC-Cloud and Cognitive Systems for Smart Manufacturing processes, Robotics and Logistics.	https://www.aragondih.com
Spain	Hub 4.0 of Manufacturing Sectors in Valencian Region	http://hub4manuval.ai2.upv.es
Spain	Industrial Ring	http://anellaindustrial.cat
Spain	Industrial Technology Knowledge Linares DIH	http://dih-itkl.es/
Spain	Innovalia ZDM Digital Innovation Hub	http://digiware.org
Spain	Innovation for Manufacturing in the South (I4MSOUTH)	https://i4msouth.fundingbox.com/
Spain	Insomnia Digital Innovation Hub	http://www.innsomnia.es/
Spain	Intelligent Urban Lab, Alcobendas	https://alcobendashub.com/en/intelligent-urban-lab/
Spain	IoT DIH	http://innovationhub.es
Spain	IRIS: European Digital Innovation Hub Navarra	https://www.irisnavarra.com/
Spain	ITI Data Hub (The Data Cycle Hub)	https://thedatacyclehub.com/en/
Spain	i4CAM HUB (Innovation for competitiveness and advanced manufacturing)	http://www.i4camhub.com
Spain	La Salle Technova Barcelona	http://technovabarcelona.com/en
Spain	MaDIH: Manufacturing Digital Innovation Hub	https://madih.fundingbox.com/
Spain	Parque Tecnológico de Andalucía (PTA)	http://www.pta.es/es/
Spain	RIOHUB	http://riohub.fundingbox.com/
Spain	RoboCity2030	http://www.robocity2030.org/
Spain	Robotics Digital Innovation Hub	https://robotics-dih.eu
Spain	SmartCityTech	http://www.smartcitytech.eu/
Spain	Technologies for Efficiency Digital Innovation Hub Extremadura (T4E DIH)	http://www.dih4e.eu
Spain	TECNOCAMPUS TECHNOLOGY PARK	https://www.tecnocampus.cat/
Spain	University of Valencia Science Park DIH	https://www.pcuv.es/en/dih
Spain	5GBarcelona	http://www.5gbarcelona.cat/
Spain	5TONIC Open 5G Lab 5TONIC	https://www.5tonic.org

Sweden	Bron Innovation	https://www.broninnovation.se
Sweden	DigIT Hub Sweden	https://mobileheights.org/european-digital-innovation-hub-skane-edih-skane/
Sweden	Future Position X	https://fpx.se/
Sweden	Infrastructure and Cloud data centre test Environment (SICS ICE)	http://ice.sics.se
Sweden	Linköping Science Park	https://linkopingsciencepark.se/digital-innovation-hub/
Sweden	LTU AI Innovation Hub	https://www.ltu.se/ai
Sweden	Mälardalen Industrial Technology CenterCenter	http://www.mitc.se/
Sweden	SmartAgri	http://smartagri.se
Sweden	Stena Industry Innovation Hub at Chalmers - SII-Hub	http://www.chalmers.se/en/areas-of-advance/production/laboratories/csilab/Pages/default.aspx
Sweden	The KTH Innovation Hub of Digital Industrialization	http://www.kth.se/iiothub
Sweden	Urban ICT Arena	http://www.urbanictarena.se
Switzerland	lifehub.swiss	http://lifehub.swiss/
Switzerland	MicroHub.Swiss - The Swiss Microtechnology & Micromanufacturing DIH	http://www.microhub.swiss
Switzerland	Raisehub.swiss- The Swiss Robotics & AI DIH	http://raisehub.swiss/
Switzerland	Swiss EdTech Collider	https://www.edtech-collider.ch
Switzerland	Swiss Smart Factory (SSF)	https://www.sipbb.ch/ssf
United Kingdom	Advanced Forming Research Centre (SRMDIH)	https://www.strath.ac.uk/research/advancedformingresearchcentre/
United Kingdom	Bristol Robotics Laboratory's RIF	http://echord.eu/the-bristol-rif/
United Kingdom	CP Lab Newcastle	https://research.ncl.ac.uk/cplab/
United Kingdom	CPI	https://www.uk-cpi.com/
United Kingdom	Cranfield University Digital Innovation Hub	https://www.cranfield.ac.uk/digitalinnovationhub
United Kingdom	Digital Catapult	https://www.digitalcatapultcentre.org.uk
United Kingdom	Digital Health & Care Institute	http://www.dhi-scotland.com
United Kingdom	Digital Manufacturing Innovation Hub Wales (DMIW)	http://www.dmiw.co.uk
United Kingdom	EPCC	https://www.epcc.ed.ac.uk
United Kingdom	Future Cities Catapult	http://futurecities.catapult.org.uk
United Kingdom	Manufacturing Technology Centre	http://www.the-mtc.org/
United Kingdom	Sunderland Software City	http://www.sunderlandsoftwarecity.com/

| United Kingdom | The AMRC's Factory 2050 | http://www.amrc.co.uk/facilities/factory-2050 |
| United Kingdom | The High Value Manufacturing Catapult | https://hvm.catapult.org.uk/ |

Table 10 Regional and National Organisations and Initiatives – Resource Providers: HPC

Country	Name	Website
Belgium	Flemish Supercomputer Center	https://www.vscentrum.be/
Bulgaria	SOFIA TECH PARK	https://sofiatech.bg/en/
Bulgaria	National Center for Supercomputing Applications	https://www.ncsa.bg/
Croatia	Center for Advanced Computing and Modeling	https://cnrm.uniri.hr/
Czech Republic	IT4INNOVATIONS	https://www.it4i.cz/en
EU	EuroHPC JU	https://eurohpc-ju.europa.eu/index_en
EU	European Grid Infrastructure Foundation (EGI)	https://www.egi.eu/
EU	Supercomputing Expertise for SmAll and Medium Enterprise Network (SESAME NET)	https://cordis.europa.eu/project/id/654416
EU	DAIS (Distributed Artificial Intelligent System)	https://dais-project.eu/ https://cordis.europa.eu/project/id/101007273
EU	PRACE (Partnership for Advanced Computing in Europe)	https://prace-ri.eu/
Germany	Leibniz Supercomputing CenterCenter	https://doku.lrz.de/display/PUBLIC/High+Performance+Computing
Germany	THE HIGH PERFORMANCE COMPUTING CENTERCENTER STUTTGART (HLRS)	https://www.hlrs.de/home/
Germany	Gauss CenterCenter for Supercomputing	https://www.gauss-centre.eu/
Germany	Jülich Supercomputing Centre (JSC)	https://www.fz-juelich.de/ias/jsc/EN/Home
Greece	GRNET S.A. – National Infrastructures for Research and Technology	https://grnet.gr/en/
Ireland	Irish Centre for High-End Computing	https://www.ichec.ie/
Italy	Cineca	https://www.cineca.it/
Luxemburg	LuxProvide	https://luxprovide.lu/
Norway	Uninett	https://www.uninett.no/en

Norway	HPC-lab of Norwegian University of Science and Technology (NTNU)	https://www.ntnu.edu/idi/hpc-lab
Poland	Poznan Supercomputing and Networking Center (PSNC)	https://www.psnc.pl/about/whats-psnc/
Portugal	Minho Advanced Computing Center	https://macc.fccn.pt/
Slovenia	IZUM, the Institute of Information Science	https://www.izum.si/en/home/
Slovenia	HPC RIVR	https://www.hpc-rivr.si/home_en/
Spain	Barcelona Supercomputing Centre	https://www.bsc.es/
Spain	Centro de Supercomputación y Visualización de Madrid	https://www.cesvima.upm.es/
Sweden	National Supercomputer Centre National Supercomputer Centre at Linköping University	https://www.nsc.liu.se/
Switzerland	Swiss National Supercomputing Centre - CSCS	https://www.cscs.ch/
UK	EPCC, part of the University of Edinburgh	https://www.epcc.ed.ac.uk/

Table 11 Regional and National Organisations and Initiatives – Resource Providers: Cloud Providers

Country	Name	Website
Spain	CESGA- Centro de Supercomputacion de Galicia	https://www.cesga.es/en/home-2/
Spain	IFCA – Instituto de Fisica de Cantabria	https://ifca.unican.es/en-us
Spain	BIFI – Instituto de Biocomputación y Física de Sistemas Complejos	https://www.bifi.es/
Spain	CETA- GRID	https://www.ceta-ciemat.es/infraestructuras/computaci%C3%B3n-grid-htc.html
Spain	UPV-GRyCAP	https://www.grycap.upv.es/
Czech Republic	CESNET-	https://www.cesnet.cz/
France	Univ Lille - Université de Lille	https://www.univ-lille.fr/
France	CNRS- IN2P3 IRES	https://www.in2p3.cnrs.fr/
Poland	CYFRONET	https://www.it4i.cz/en
Netherlands	FOM- Nikhef	https://www.nikhef.nl/
Greece	GRNET	https://grnet.gr/en/

Slovakia	IISAS - Institute of Informatics Slovak Academy of Sciences	http://ikt.ui.sav.sk/
Slovenia	IJS- Institute Josef Stefan IJS	https://www.ijs.si/ijsw
Italy	INFN Padova	https://www.pd.infn.it/eng/
Italy	INFN BARI	https://www.ba.infn.it/eng/
Italy	INFN CNAF	https://www.cnaf.infn.it/en/
Germany	SCAI -	http://www.scai.fraunhofer.de
Germany	GSI Helmholtzzentrum für Schwerionenforschung	https://www.gsi.de/start/aktuelles
Germany	DESY- Deutsches Elektronen-Synchrotron	https://www.desy.de/
Germany	KIT - Karslruhe Institute of Technology	https://www.kit.edu/english/
Croatia	SRCE- University Computing Centre	https://www.srce.unizg.hr/en/
Turkey	ULAKBIM- Turkish Academic Network and Information Center	https://ulakbim.tubitak.gov.tr/en
Romania	IFIN HH - Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering	https://www.nipne.ro/